

Fig. 1B

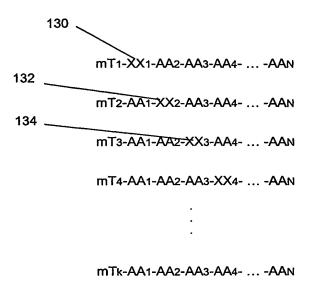
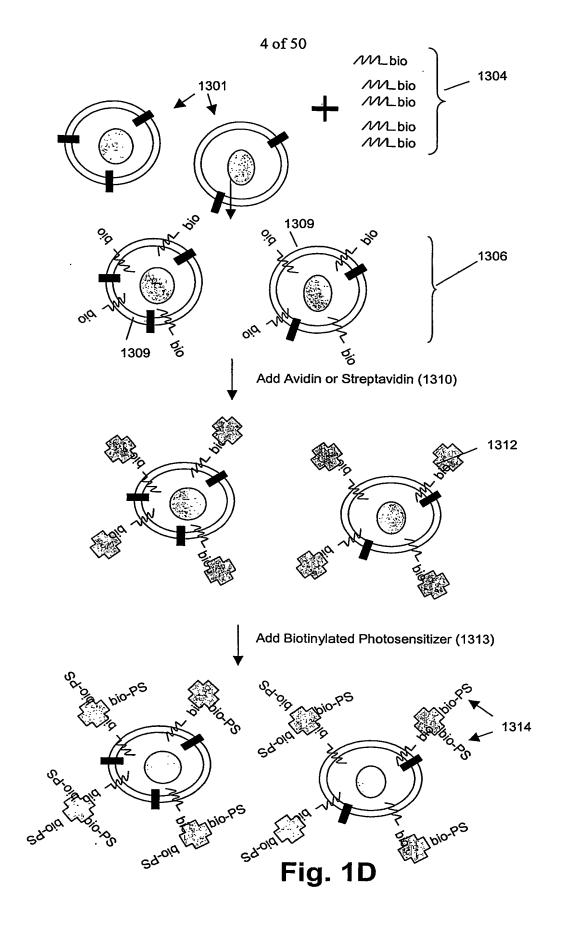


Fig. 1C





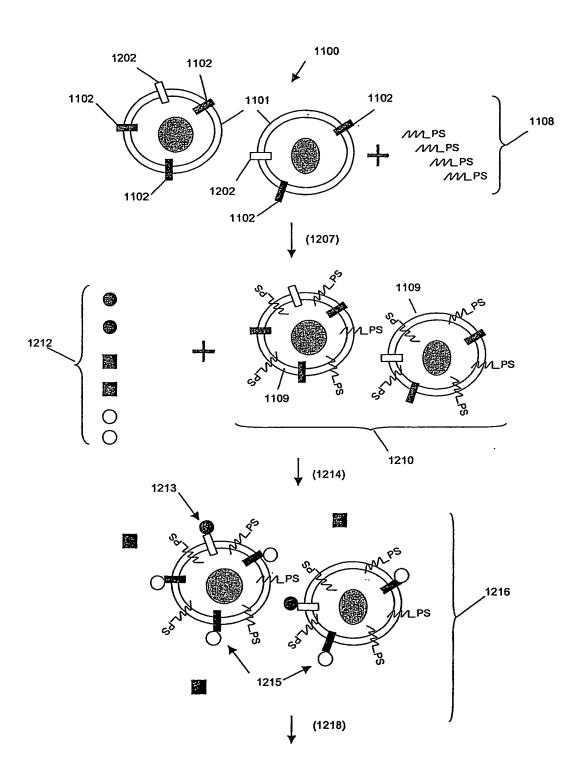


Fig. 1E

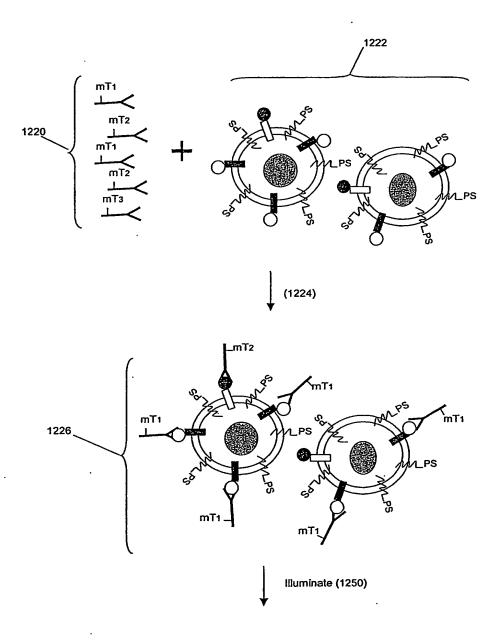


Fig. 1F

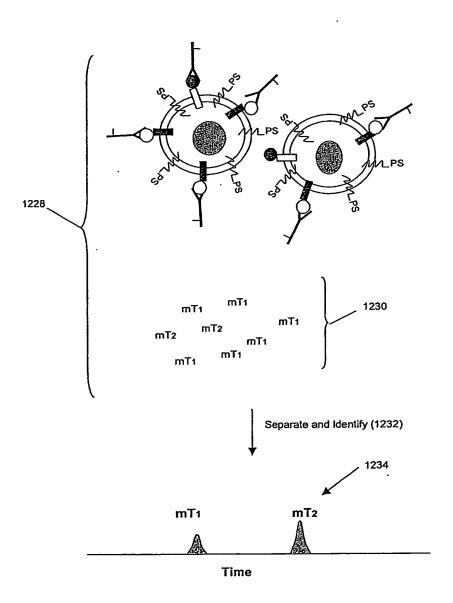
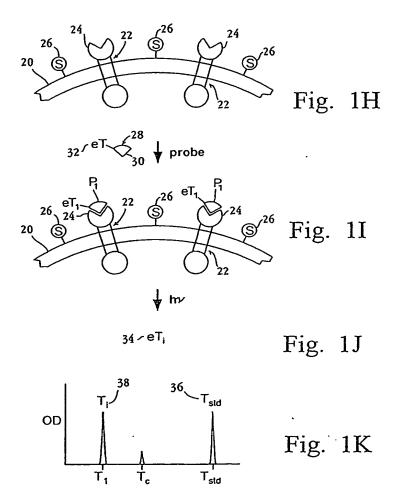
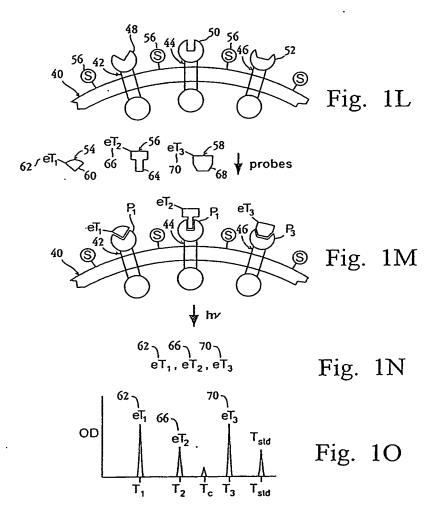


Fig. 1G





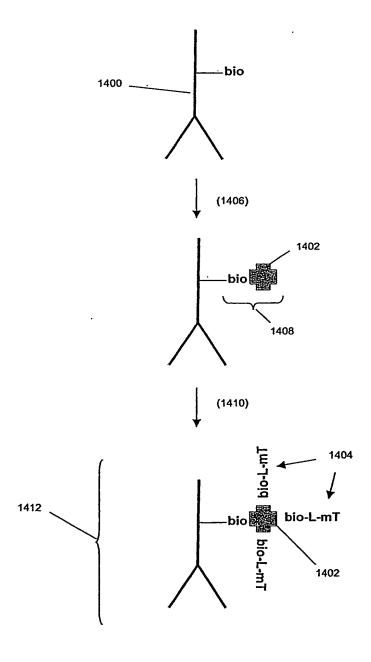


Fig. 1P

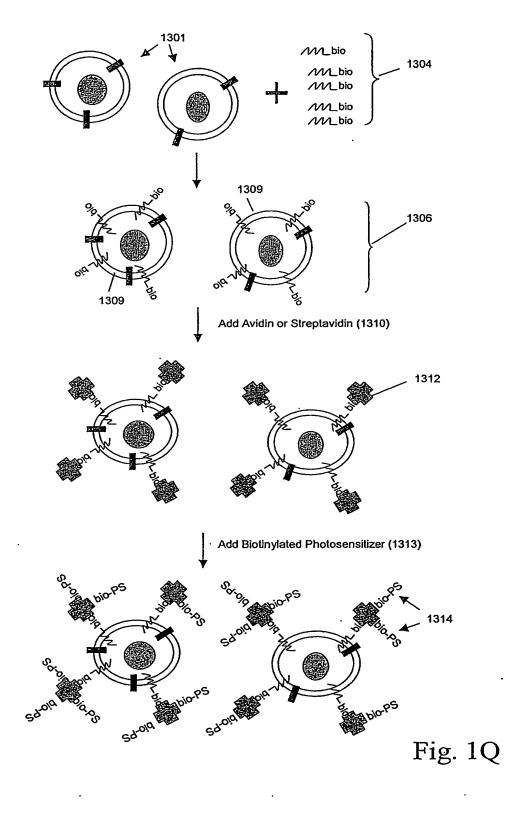


Fig. 2

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Fig. 3

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HO CIOC—R-COCI

$$H_2O$$
 H_2O
 H_2O

FIG. 5

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F/G, 6

Thiazole cleavable linkage

FIG. 7A

Oxazole cleavable linkage

FIG. 7B

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Olefin cleavable linkage

FIG. 7C

Thioether cleavable linkage

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FIG. 7E

FIG. 7F

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FIG. 8A

released e-tag reporter

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Synthesis of FAM-derived eTags

FIG. 8B

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Pro1-NHS

Pro2-NHS

Pro3-NHS

Pro4-NHS

FIG. 9A

Pro5-NHS

Pro6-NRS

Pro7-NHS

FIG. 9B

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Pro9-NHS

Pro10-NHS

Prol1-NHS

Pro12-NHS

FIG. 9C

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Pro13-NHS

Pro14-NHS

Pro15-NHS

Pro16-NHS

FIG. 9D

Pro17-NHS

Pro18-NHS

Pro19-NHS

Pro20-NHS

FIG. 9E

Pro21-NHS

Pro22-NHS

Pro23-biotin

Pro24-biotia

FIG. 9F

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Pro25-biotin

Pro26-biotin

Pro27-biotin

FIG. 9G

Pro28-NHS

Pro28-biotin

· Pro29-NHS

Pro29-biotin

FIG. 9H

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Pro30-NHS

Pro30-biotin

Pro31-NHS

Pro32-NHS

FIG. 9i

Pro32-biotin

Pro33-NHS

Pro33-biotin

FIG. 9J

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FIG. 10A

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FIG. 10B

FIG. 10C

FIG. 10D

FIG. 10E

Synthesis of Pro15

Synthesis of Pro20

FIG. 10G

Synthesis of Pro22

FIG. 10H

Synthesis of Pro28

FIG. 10i

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Fig. 13C

$$\begin{array}{c} \begin{array}{c} \begin{array}{c} 106 \\ \text{H} \\ \text{N} \\ \text{NH} \\ \text{Lys} \end{array} \end{array} \begin{array}{c} \text{e-Tag} \\ \text{NHS} \end{array} \begin{array}{c} \text{O} \\ \text{NHS} \end{array} \begin{array}{c} \text{O} \\ \text{HN} \\ \text{NHS} \end{array} \begin{array}{c} \text{O} \\ \text{HNS} \\ \text{NHS} \end{array} \begin{array}{c} \text{O} \\ \text{HNS} \\ \text{NHS} \\ \text{NHS} \end{array} \begin{array}{c} \text{O} \\ \text{HNS} \\ \text{NHS} \\ \text$$

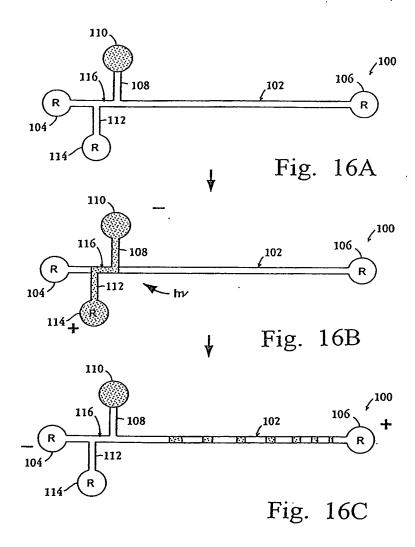
Fig. 14B

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ŞO₂CI

Fig. 15



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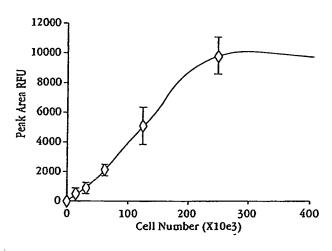
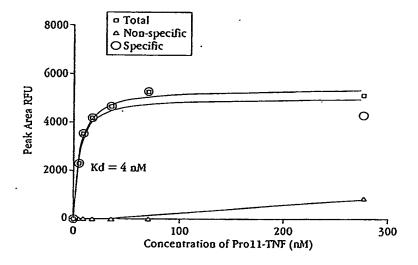


Fig. 17



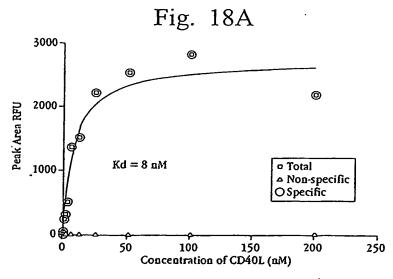


Fig. 18B

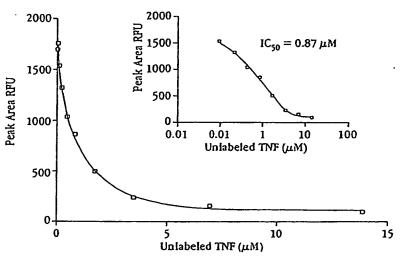
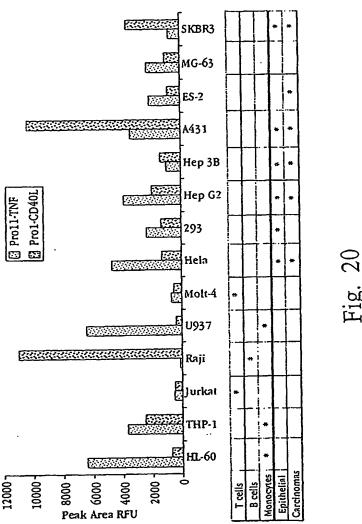


Fig. 19

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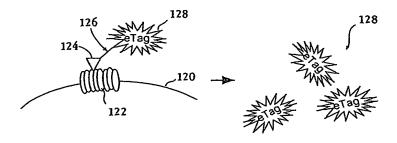


Fig. 21A

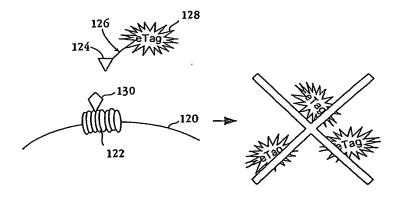


Fig. 21B

